

# Reptilia, Squamata, Amphisbaenidae, *Amphisbaena cegei* Montero, 1997, and Reptilia, Squamata, Teiidae, *Tupinambis rufescens* (Günther, 1871): Vertical range extension

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**ABSTRACT:** We report on records of *Amphisbaena cegei* and *Tupinambis rufescens* in the Bolivian Inter-Andean Dry Forest (Bolivia) that extend the known vertical distribution.

New information on vertical distribution of two reptile species from Bolivia, *Amphisbaena cegei* Montero, 1997 (Amphisbaenidae) and *Tupinambis rufescens* (Günther, 1871) (Teiidae), is presented below, in order to improve on the knowledge of the species. The records are based on a short collecting trip from 26 to 28 November 2007 by the authors. Collecting and exportation permits (DGB/UVS N°146) were provided by the Ministerio de Desarrollo Sostenible, La Paz, and Servicio Nacional de Sanidad Agropecuaria e Inocuidad Alimentaria (SENASAG). The collected specimens of *A. cegei* and the photograph of *T. rufescens* are deposited in the Museo Noel Kempff Mercado, Santa Cruz, Bolivia (MNKR), and Museum Senckenberg Frankfurt, Germany (SMF).

Collection locality was near Remates (a former finca or small human settlement, now abandoned) (17°52'48" S, 64°20'36" W, 2116 m, Figure 1), Province of Caballero, Department of Santa Cruz, Bolivia. The locality lies in the ecoregion Inter-Andean Dry Forest according to Ibisch and Mérida (2004).



**FIGURE 1.** Collection locality near Remates (17°52'48" S, 64°20'33" W, 2,116 m), Province of Caballero, Department of Santa Cruz, Bolivia.

*Amphisbaena cegei* Montero, 1997 (Figure 2)

**Specimens examined:** MNKR 4504: 17°52'48" S, 64°20'33" W, 2,079 m; SMF 86663, SMF 86664: 17°53'34" S, 64°19'57" W, 2116 m; all specimens collected on 26 November 2007.

**Geographic distribution:** Bolivia (Department of Santa Cruz). Type locality: Pampagrande (18°05'15" S, 64°06'51" W), Province of Florida, Department of Santa Cruz, Bolivia.

**Habitat:** Inter-Andean Dry Forest (this study), Tucuman-Bolivian Forest.

**Remarks:** The record is the highest record of this species and extends the known vertical distribution of this species from 700-1,700 m (C. Börschig, unpublished data) ca. 400 m to over 2,100 m. Next known locality lies 10 km southwards in San Juan de Portrero, in ca. 1,600 m (Montero 2001). The specimens were found under rocks in Prepuna-like vegetation.



**FIGURE 2.** Individual of *Amphisbaena cegei* (MNKM 4504) from near Remates, Province of Caballero, Department of Santa Cruz, Bolivia.

*Tupinambis rufescens* (Günther, 1871) (Figure 3)

**Photo voucher:** SMF-F 237; on the way to Remates (17°54'30" S, 64°19'02" W, 1,880 m), 27 November 2007, 11:20 h, sunbathing on the road.

**Geographic distribution:** Argentina, Bolivia and Paraguay.

**Habitat:** Inter-Andean Dry Forest

**Remarks:** The species is apparently restricted to the Chaco in Argentina, Bolivia and Paraguay (Péres and Colli 2004). It is the northernmost and highest known locality of the species and extends known vertical distribution ca. 500 m. Next known locality lies 30 km southwest in Pampagrande, in 18°05'17" S, 64°06'59" W in 1,311 m (Gonzales *et al.* 2004).



**FIGURE 3.** Individual of *Tupinambis rufescens* (photo voucher SMF-F 237) from near Remates, Province of Caballero, Department of Santa Cruz, Bolivia.

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#### LITERATURE CITED

- Gonzales, Á.L., D. Embert and R. Montaña. 2004. Reptiles; p. 175-184 *In* F. Azurduy, H.J.L. Aramayo, B.J. Ledezma and A. Langer (ed.). *Historia Natural del Municipio de Pampagrande*. Santa Cruz de la Sierra: Museo de Historia Natural Noel Kempff Mercado, U. A. G. R. M.
- Ibisch, P.L. and G. Mérida. 2004. *Biodiversity: the richness of Bolivia. State of knowledge and conservation*. Santa Cruz de la Sierra: Ministry of Sustainable Development. Editorial FAN. 644 p.
- Montero, R. 2001. *Amphisbaena cegei*. *Catalogue of American Amphibians and Reptiles* 726: 1-3.
- Péres, Jr., A.K. and G.R. Colli. 2004. The taxonomic status of *Tupinambis rufescens* and *T. duseni* (Squamata: Teiidae), with a redescription of the two species. *Occasional Papers of the Sam Noble Oklahoma Museum of Natural History* 15: 1-12.

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